PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Rajindra Aneja

Serial No.: 10/067,648

Filed: February 4, 2002

For: INOSITOLPHOSPHOLIPIDS AND ANALOGUES

Group Art Unit: 1621

Examiner: Deborah D. Carr

Atty. Dkt. No.: 4020.000700

CERTIFICATE OF MAILING
37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Mail Stop Issue Fee, Commissioner for Patents, Alexandria, VA 22313-1450, on the date below, on the date below:

November 26, 2003
Date

Shelley P.M. Fussey

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record in the present case. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

For completeness, and to most fully comply with the duty of disclosure, Applicant requests that the enclosed documents be placed in the file in accordance with 37 C.F.R. § 1.97(i).

No fees are believed to be due in connection with the filing of this Information Disclosure Statement. However, should any fees be deemed necessary, the Examiner is respectfully requested to contact Applicant's undersigned representative to discuss deduction from Applicant's representatives' deposit account No. 50-0786/4020.000700.

Respectfully submitted,
Williams, Morgan & Amerson, P.C.
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Date: November 26, 2003

Form PTO-1449 (modified)	Atty. Docket No. 4020.000700	Serial No. 10/067,648
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT	Applicant Rajindra Aneja	
(Use several sheets if necessary)	Filing Date: February 04, 2002	Group: 1621

U.S. Patent Documents	Foreign Patent Documents	Other Art
See Page 1	*See Page*	*See Page 1-3*

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Dat of App.
	A1	5,227,508	July 13, 1993	Kozikowski *et al.*	558	155	
	A2	4,997,761	March 5, 1991	Jett-Tilton	435	240.2	
	A3	4,515,722	May 7, 1985	Yang *et al.*	268	403	

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Aneja *et al.*, "A General Synthesis of Glycerophospholipids," *Biochim. Biophys. Acta, 218,* 102-111, 1970.
	C2	Aneja, "Structural and Stereochemical Purity of Glyerophospholipids," *Biochem. Soc. Trans., 2,* 38-41,1974
	C3	Aneja *et al.*, "A Novel Approach to Semisynthetic Phosphoinositides," National Organic Symposium, A. C. S. Ithaca, NY, June 18 -22, 1989.
	C4	Aneja and Parra, "Facile Optical Resolutions of DL-1,4,5,6-Tetra-*O*-Benzyl-*MYO*-Inositol: Key Synthons for the Phosphoinositides," *Tetrahedron Lett., 35,* 525-526, 1994.
	C5	Aneja *et al.*, "The Absolute Configuration of (+)-1,2,4,5,6-Penta-*O*-Benzyl-*MYO*-Inositol," *Tetrahedron Lett. 35,* 6061-6062, 1994.
	C6	Aneja and Aneja, "Syntheses of 2-Modified Phosphatidylinositol 4,5-Bisphosphates: Putative probes of Intracellular Signaling," In *Advances in Phosphoinositides.* Ed. K. S. Bruzik, ACS Symposium Series *718* Washington D.C.. 222-231, 1999.
	C7	Billington, "General Synthetic Considerations," *The Inositol Phosphates,* VCH Publishers, New York. 23-42, 1993.

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	C8	Garigapati and Roberts, "Synthesis of Short Chain Phosphatidylinositols," *Tetrahedron Lett.*, *34*, 769-772, 1993.
	C9	Gigg, "Synthesis of Glycolipids," *Chem. Phys. Lipids*, *26*, 287, 366-385, 394-403, 1980.
	C10	Jett *et al.*, "Metabolic Fate of Liposomal Phosphatidylinositol in Murine Tumor Cells: Implications for the Mechanism of Tumor Cell Cytotoxicity," *Cancer Res.*, *45*, 4810-4815, 1985.
	C11	Jones *et al.*, "Improved Syntheses of Inositol Phospholipid Analogues,", *Tetrahedron Lett.*, *30*, 5353-5356, 1989.
	C12	Leung *et al.*, "A Novel Water-Soluble Phosphonate Analog of Phosphatidylinositol, D-*MYO*-Inositol 4-(Hexadecyloxy)-3(S)-Methoxybutanephosphonate (C_4-PI), Inhibits Epithelial Cell Proliferation and is a Substrate but not an Inhibitor of Phosphatidylinositol 3-Kinase," (C *J. Liposome Res.*, *8*, 213-224, 1998.
	C13	Leung *et al.*, "Synthesis of Fluorescent Phosphatidylinositols Using a Novel Inositol *H*-Phosphonate," *Tetrahedron Lett.*, *39*, 2921-2924, 1998.
	C14	Lewis *et al.*, "Substrate Requirements of Bacterial Phosphatidylinositol-Specific Phospholipase C," *Biochemistry*, *32*, 8836-8841, 1993.
	C15	Lyutik *et al.*, "Synthesis of a Phosphatidylinositol with an Unsaturated Acid Residue," *Zh. Obshch. Khim. 44*, 2595-2596, 1974.
	C16	Mandal *et al.*, "*In Vitro* Synthesis of Phosphatidylinositol and Phosphatidylcholine by Phospholipase D, *Phytochemistry*, *19*, 1661-1663, 1980.
	C17	Molotkovsky and Bergelson, "Synthesis of an Unsaturated Mixed-Acid Phosphatidylinositol of Natural Configuration. A New Procedure for Resolving Racemic Alcohols," *Chem. Phys. Lipids*, *11*, 135-147, 1973.
	C18	Salamonczyk and Bruzik, "The Synthesis of Diastereomers of Phosphorothioate Analogue of Dipalmitoylphosphatidylinositol," *Tetrahedron Lett.*, *31*, 2015-2016, 1990.
	C19	Shvets *et al.*, "Resolution of Asymmetrically Substituted Myoinositols Into Optical Antipodes," *Tetrahedron*, *29*, 331-340, 1973.
	C20	Toker *et al.*, "Activation of Protein Kinase C Family Members by the Novel Polyphosphoinositides PtdIns-3,4-P_2 and PtdIns-3,4,5-P_3," *J. Biol. Chem.*, *269*, 32358-32367, 1994.

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	C21	Ward and Young, "Synthesis of 1,2-Dipalmitoyl-*sn*-Glycer-3-YL-*myo*-Inositol 1-Phosphate," *Tetrahedron Lett.*, *29*, 6013-6016, 1988.
	C22	Young *et al.*, "Total Synthesis of the Four Stereoisomers of Dihexadecanoyl Phosphatidylinositol and the Substrate Sterospecificity of Human Erythrocyte Membrane Phosphatidylinositol 4-Kinase," *J. Med. Chem. 33*, 641-646, 1990.
	C23	Aneja *et al.*, "The Absolute Configuration and Optical Purity of (-)- and (+)-1,2:4,5-Di-*O*-cyclohexylidene-*myo*-Inositols", *Tetrahedron:Asymmetry*, 6(1):17-18, 1995.
	C24	Aneja *et al.*, "1D- and 1L-1,2:4,5-Di-*O*-cyclohexylidene-3-*O*-allyl-*myo*-Inositols: Complementary Versatile New Starting Materials for Syntheses in the 1D-*myo*-Inositol Series," *Tetrahedron Lett.*, 37(29):5081-5082, 1996.
	C25	Aneja and Aneja, "Practical Unequivocal Synthesis of Phosphatidyl-*myo*-Inositols," *Tetrahedron Lett.*, 41:847-850, 2000.

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